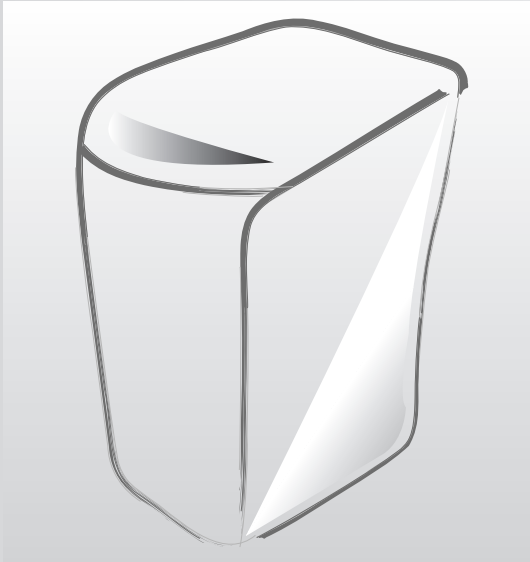


# WASHING MACHINE

## *User's Manual*



*Please read this manual before using and note how to use in the proper manner.  
Please be careful of keeping the manual. Otherwise, it should be bought separately.*

*The User's Manual is for common use.  
Make use of the User's Manual depending upon your washing machine model.*

### TABLE OF CONTENTS

FEATURES .....	1
SAFETY INSTRUCTIONS .....	2
DESCRIPTION OF PARTS .....	3
HOW MUCH DETERGENT SHOULD BE USED? .....	4
How to put the detergent in .....	4
How to add the fabric softener .....	4
How to add the bleach .....	4
CHECKING BEFORE WASHING AND CARING FOR GARMENTS .....	5
Caring for Clothes Before Washing .....	5
BUTTONS AND CONTROL PANEL .....	6
HOW TO WASH AUTOMATICALLY DEPENDS ON THE LAUNDRY? ....	7
Before starting washing, check the following .....	7
Want to do automatic washing? .....	7
Special notes! .....	7
How to do Silent/Heavy course? .....	8
How to do Speedy/Blanket course? .....	8
How to do Wool/Memory course? .....	9
To Keep the washing hygienic .....	9
To finish the washing on a desired time .....	9
MANUAL FUNCTIONS .....	10
HOW TO CLEAN THE FILTER .....	11
INSTALLATION & MAINTENANCE .....	12
Environment .....	12
Levelling .....	12
How to assemble the legs .....	12
Connecting the water supply hose .....	12
How to connect the drain hose .....	13
Assembling the rat protection panel .....	13
TROUBLESHOOTING .....	13
WASHING MACHINE WON'T WORK? .....	14
TROUBLESHOOTING .....	15
SPECIFICATIONS .....	

## IN CASE THE NEED FOR SERVICING ARISES

- Don't hesitate to call any AS center nearby with your name, address and telephone number when anything wrong with your product occurs.



## SPECIFICATIONS

POWER CONSUMPTION	WASH	480
	SPIN	170
DIMENSIONS(mm)		W630 x D720x H880
WEIGHT		47 kg
WATER PRESSURE		0.05~0.78 MPa (0.5 ~ 8.0 kg · f/cm <sup>2</sup> )
WASHING TYPE		Stirring Type
WATER USAGE		195 l
PULSATOR ROTATING SPEED		105 rpm

## FEATURES

### DIGITAL FREEWATER CONTROL (D.F.C) SYSTEM

- The ideal combination of digital temperature control, spinning control, and speed control controls spinning method and speed precisely and appropriately according to kind of laundry. It ensures that not only aged dirt is cleaned effectively but also delicate clothes are cleaned without damage. (4 main digital controls: Spinning control, Speed control, Temperature control, Rinsing control)

### SEASON-FREE WASHING CONTROL

- The temperature of water supplied is different for every season and every household. The water temperature sensing sensor that detects temperature of supplied water and sets optimal washing time ensures effective cleaning results even for cold water washing in winter.

### POWERED SHOWER RINSING

- The Powered Shower Rinsing function cleans remaining bubbles, dirt and lint on the laundry with strong force of water shower when you select it during washing. It gives a prominent rinsing effect.

### DESIGN CONSIDERING HUMANS

- The front panel is designed for convenient use in consideration with human engineering aspect. The height of the washing machine is lowered greatly so that you can take out the laundry easily.

### STAINLESS STEEL TUB WITH WIDENED SPACE

- The space of the tub is more widened and enables effective washing for large and heavy items. The magical water flowing created from the spin plate of durable and clean stainless steel prevents the laundry from not only getting damaged but also getting tangled.

### LOW NOISE POWER INVERTER MOTOR

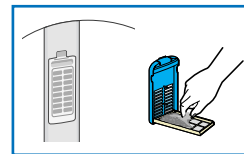
- The washing machine realizes the silent washing with a powerful and stable low noise power inverter motor.

## LINT FILTERING METHOD

*(OPTIONAL SPECIFICATIONS FOR EACH MODEL)*

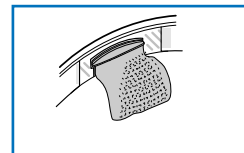
### 1. Power Magic Filter

- The Power Magic Filter collects all the nap (fuzz), waste threads, and other lint regardless the water level. It is hygienic and can be used semi permanently.



### 2. Big Anti-bacterial Filter Net

- The big anti-bacterial filter net ensures that all the nap, waste threads and lint are removed cleanly. Its antibacterial treatment makes it hygienic.

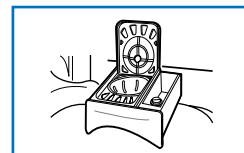


## DETERGENT DISPENSING METHOD

*(OPTIONAL SPECIFICATIONS FOR EACH MODEL)*

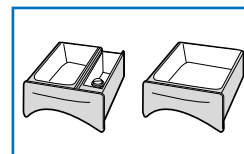
### 1. Power Bubbling Equipment (device)

- The detergent powders are added (in the detergent box). As the water supply starts on, they become liquid soap and dispensed into the spin basket, automatically enhancing the cleaning power.



### 2. Reserve Detergent Box

- If the detergent powders are added in the reserved detergent box, they are released automatically as the water supply starts on.



- Clean the filter twice a week. For a clean wash, the collected lint shouldn't be filled more than half of the filter.

## SAFETY INSTRUCTIONS

Please note that the following precautions for safety intend to prevent unpredictable danger and damage by helping the proper use in safety.

When using hot water in washing, please make sure that the water should not exceed 50°C.

- Plastic parts may be deformed or damaged, and an electric shock or a fire may take place.

### WARNING

*There might be serious injury or fatal accident when you violate this instruction.*

If the power supply cord or plug is damaged or loosened, do not use.

- An electric shock or a fire may take place.

Do not pull the cord off or touch it with moist hands.

- An electric shock or a fire may take place.

Do not bend the power supply cord by force or press it with heavy things.

- An electric shock or a fire may take place.

Do not install the washer nearby electric implement or don't put a candle light or cigarette light on the washer.

- A fire may take place.

Do not disassemble, repair or remodel it recklessly.

- When you need to repair it, please call service agent. An electric shock or a fire may take place.

During operation, do not put your hands or metal materials under the washer.

- You may be hurt by spinning board beneath the washer.

Stay away from the washer when the bottom of the washer sinks into the water.

- There might be an electric shock. Please wait until the water drains out completely.

Do not put laundry stained with gasoline, benzene, or alcohol in the washer, and keep the materials away from the washer.

- An explosion or a fire may take place.

During spinning, don't put your hand in the spinning tub.

- It may hurt your hands. If it does not stop within 15 seconds after you open the lid, call service agent immediately.

### Cautions

*There might be a slight injury or damage when you violate this instruction.*

Don't install it in the area with moisture or outdoor where it has rain or snow

- An electric shock or a fire may take place.

Please unplug the power supply cord when you do not use it.

- An electric shock or a fire may take place.

If there is dust or water on the power supply plug and its connected part, please remove it completely.

- An electric shock or a fire may take place.

Do not make your kids look into the inside of the washer.

- If your kid falls into the washer, his life could be in danger.

Ventilate immediately without touching the power plug if gas is leaking.

- An electric shock or a fire may take place if it catches flame.

If the washer makes strange noise, smell or smoke, unplug it promptly and call service agent.

- An electric shock or a fire may take place.

When cleaning, don't spray water to the parts of the washer directly.

- It may make it's life span shorten.

Also an electric shock or fire may take place

Don't use several appliances together with an outlet.

- A fire may take place due to unusual heat.

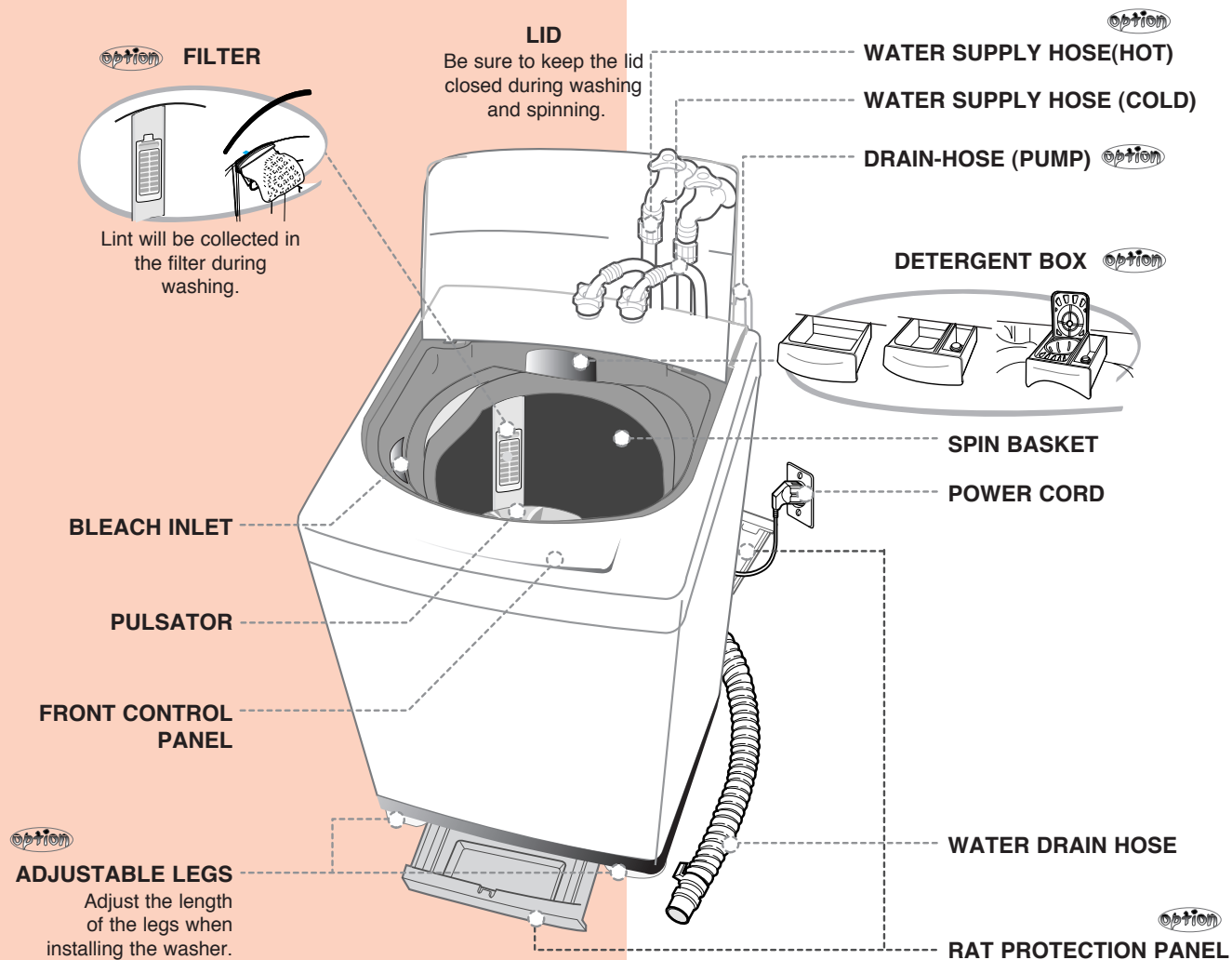
Don't press the button with an awl or pin.

- An electric shock or a fire may take place.

## DESCRIPTION OF PARTS


The User's Manual is for common use.


Make use of the User's Manual depending upon your washing machine model.





## HOW MUCH DETERGENT SHOULD BE USED?


- Please note that this User's Manual is for common use.  
Make use of the User's Manual depending upon your washing machine model.


○ ..... MAXIMUM 
















○ ..... HIGH 

○ ..... MEDIUM 

○ ..... LOW 

○ ..... EXTRA LOW 

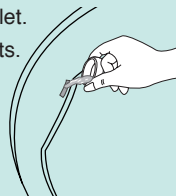
○ ..... LOWEST 

Depending upon the water level		Add detergent.	
		Concentrated detergent	General detergent
	Maximum (Water Level) (For Blanket, below 2.0l)		
	High (Water Level)		
	Medium (Water Level)		
	Low (Water Level)		
	Extra Low (Water Level)		

- The amount of concentrated detergent is indicated in proportion to the water level marks. (One cup is 35g.)
- Using too much detergent may cause unsatisfactory rinsing result and it is harmful to our environment also.

## HOW TO ADD THE FABRIC SOFTENER

- When a proper amount (one time dose) of fabric softener is stored in the softener inlet, it is automatically put in at the last rinsing cycle.
- Do not use detergent, bleach or starch into the Softener Inlet.
- Using too much softener may produce unsatisfactory results.
- Do not open the lid during the Spin Dry cycle. If added too early, its effectiveness will decrease.
- Do not leave the softener into the Softener Dispenser for a long time. Because softener became stiff.



## HOW TO ADD THE BLEACH

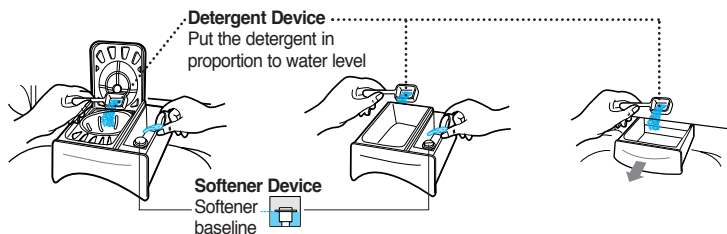
- Add a proper amount of liquid bleach (one time dose) to the Bleach Inlet before washing.
- Must separate bleachable clothes first, and then add bleach.



- If it is powder bleach, it can be mixed with water and directly put in the spin basket.
- If the bleach contact with garments directly, it may cause discoloration on the garments.

## HOW TO PUT THE DETERGENT IN

- Open the detergent box by pulling in the direction of the arrow as shown in the figure and then put the powder detergent in the detergent box.
- Put in one-time amount of detergent evenly so the detergent may not brim over the box.



Caution : If softener is stored over the above base line, it may flow down at any time.

## CHECKING BEFORE WASHING AND CARING FOR GARMENTS

Must follow the checkpoints in order to avoid machine problems or damages on garments.

☞ If the below problems are caused by customer's faults, separate service fee will be charged.

### **Checkpoints Before Starting Washing**

*Check if the clothes are bleaching or not.*

- Add liquid detergent to a white towel and the garment where you can't notice well. Then, rub together strongly. Check if the color transferred to the towel.
- Be careful for scarves and imported clothes since they are easily discoloring.
- Check for stains or partial dirt.
- If stains are found, use the towel wet with detergents to rub on in a single direction.
- Before washing, the sleeves, collar, dress hem and pockets are pre-treated by brushing with detergents.

*The wrinkle-processed clothes made of wool are specially treated by fixing them with threads before washing. The threads shall be removed after the clothes are dried.*

### **Not washable laundry**

*Clothes those are easily transformable even by soaking in water.*

- Even by soaking in water, neckties, brassieres, jackets, suits and coats can be easily transformed like shrinking and discoloring on the garment surfaces because they are mostly made of rayon, polynosic, cuff and their blend fabrics.
- The wrinkle-processed, embossed, or resin processed products are easy to transform even by soaking in water.
- Easily discoloring products made of cotton and wool, wrinkled silk, leather products, leather accessory, leather ornamented clothes, Korean costume and its accessory.
- **Don't wash those clothes without handling guideline or material indication tag.**

### **About Detergent**

- When detergents are not dissolving well, use warm water (about 40°C) to dissolve the detergent.

### **Caution**

- Use an appropriate amount.
- Even if excess amount of detergent is used, there is not much difference in washing result. It may cause damages to the garments because rinsing is not enough.
- The bleaching agent may cause damages to garments since it is strong alkali.

- Do sufficient rinsing because the powder detergent is easily remained on the garments causing bad odors.
- If too much detergent is used or cold water is used, it doesn't dissolve completely and remain on the garments, hose or spin basket, causing contamination on clothes.
- In case of reserved washing, detergents must be put in the detergent box. If the powder detergents are spread on laundry directly, it may cause discoloration.

## CARING FOR CLOTHES BEFORE WASHING

Must follow the checkpoints in order to avoid machine problems or damages on garments.

☞ If the below problems are caused by customer's faults, separate service fee will be charged.

*Take out personal belongings from pockets.*

- **Caution, Check the pockets! Hairpins and coins cause damages to clothes and washing machine.** They make noise and problems to the machine. Must check the pocket.



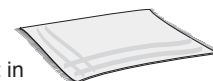
*If pants zippers are open while washing, the spin basket may be damaged. The zipper should be closed and fixed with a string before washing.*

- If blue jeans and working uniform's zippers or hooks are made of steel, they must be closed before washing.
- Wash winter jumpers, working uniforms, bed cover sheets, and blue jeans separately.
- Fold clothes well into the spin basket. Must remove the curtain hooks before washing.
- Turn inside out the button decorated and embroidered clothes before washing.
- **Be careful those metal decorations because they cause heavy damages while washing.**
- The long stringed clothes may tangle with other clothes. Must fix the strings before washing.
- The metal from brassieres may stick out and damage other clothes or the spin basket. Must use the commercial laundry net for washing brassieres. (Use a laundry net of fine mesh.)



*Waterproof clothes (Ski Wear, Diaper Covers, Footboards) are not allowed for washing.*

- The waterproof sheet, clothes, and non water permeable fabrics shouldn't be washed, rinsed, or put in a spin basket. The laundry may pop out and cause severe vibration so that a person may get damaged and the machine, wall, and floor may break out in addition to clothes. (Examples are diaper cover, waterproof wear, raincoat, umbrella cover, ski wears, car cover sheet, and sleeping bags.)



**Cautions During Spinning**

- **Spinning of regular garments**
  - The water from garments is drained out through the spin basket holes.
- **Spinning of waterproof clothes and fabrics**
  - Even if the spin basket spins, water can't drain out from the waterproof clothes and fabrics. Therefore, water gathers to one side and this cause a severe vibration. If the spin basket spins at a high speed, water still can't drain out from the waterproof clothes and fabrics. As a result, garments move up and pop out with a big vibration.

*Shake the dirt or soils from clothes.*

- Soil and sands may rub delicate garments to cause damages and the washing result may be unsatisfactory.



*For protection of baby skin*

- Wash diapers and baby wears (baby clothes, baby towels etc) separately. Dirt may get to baby's clothes from adult's clothes if washing them together.

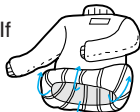
*Do pre-washing for white socks, sleeves, and collars before the main washing.*

- Use powder and liquid detergents.
- Don't use soap. It may leave dirt to the spin basket.



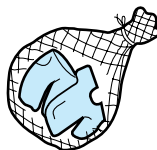
*Turn inside out for those nappy clothes before washing.*

- If clothes have too much foreign matter, separate them for washing. Other clothes may pick up those dirty matters (dirt, thread).
- Wash black colored clothes and cotton towels separately. If they are washed together, towels may pick up dirty matters. Check before washing.



*Cashmilon and those garments having big volume and lightweight (eg. lace-decorated clothes, lingerie, nylon stocking, synthetic fabrics etc.) may rise and cause damages to the clothes and problems to the machine. Use the laundry net or wash them separately.*

- Must put those long stringed clothes, lace-worked clothes, bed cover sheet, wool clothes into a laundry net before washing.
- Put delicate clothes in the laundry net.
- Use only those commercial laundry net for washing.

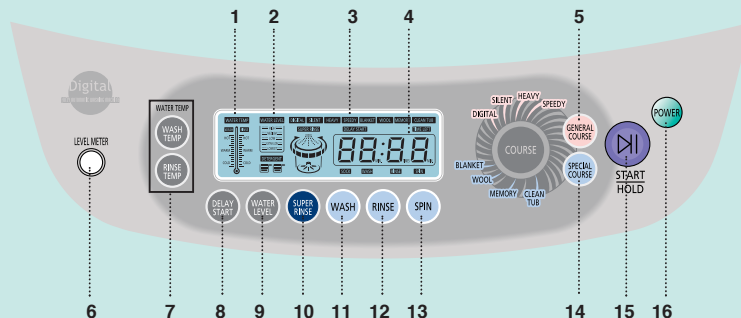


*Curtains, floating garments or blue jeans shall be pressed not to float on the water.*

- If they are floated on the water, press Start/Hold button to stop and press them to sock in the water. If the washing goes on with clothes floating on the water, it may cause damages to the clothes and the washing machine as well as unsatisfactory washing result.

## BUTTONS AND CONTROL PANEL

For more details, see control panel of your washing machine.



### 1. WATER TEMPERATURE INDICATOR

- The indicator shows the water temperatures for washing and rinsing. Use this indicator when selecting hot water or cold water for washing and rinsing.

### 2. WATER LEVEL, DETERGENT AMOUNT SELECT BUTTON

- According to the amount of laundry, the water level and detergent amount are automatically indicated.
- The water level is indicated as 10 different levels. HIGH → MEDIUM → LOW → EXTRA LOW → LOWEST

### 3. PROCESS INDICATORS

- The LED indicator of the current process blinks.

### 4. REMAINING TIME, RESERVED TIME, ERROR INDICATOR

- The indicator shows the remaining time of each wash cycle.
- The indicator shows the reserved time.
- If the washing machine has a problem, the control shows its condition for troubleshooting.

### 5. GENERAL COURSE SELECT BUTTON

- Select the course according to how dirty the garments are.
- See pages 7~9 for explanation of each course.

### 6. LEVELER

- Adjust the legs on feet for leveling so that the water drop is within the area of read line.

### 7. WATER TEMPERATURE SELECT BUTTONS

- **WASH TEMP:** Select the water temperature for washing.
- **RINSE TEMP:** Select the water temperature for rinsing.
- Possible to change the temperature while running.
- In case of Wool Course, only cold water can be selected to prevent damage to the laundry.



## 8. DELAY START BUTTON

- Use when you want to reserve the finish time.
- If the Delay Start needs to be canceled, turn off the power.

## 9. WATER LEVEL SELECT BUTTON

- Water level is indicated automatically. But, if you want to adjust water level manually, use this button. (Except the spin basket cleaning course)
- Possible to change water level during running.

## 10. SUPER RINSE

- Use when you want to use the powered shower rinsing function. (See page 7)

## 11. WASH BUTTON

- Use when only washing is needed and the washing time needs to be adjusted. (5~20 minutes)
- You can select a soaking with the WASH button. (See page 10)

## 12. RINSE BUTTON

- Use when a separate rinsing is needed and the number of rinsing cycles needs to be changed.
- You can select up to 5 times.

## 13. SPIN BUTTON

- Use when a separate spinning is needed or the spinning time needs to be adjusted. (1~7 minutes)
- When only spinning is selected, the remaining time and the total remaining time are different because the total remaining time includes the actual spinning time, draining and pausing times.

## 14. SPECIAL COURSE SELECT BUTTON

- Select the course according to the kind of laundry.
- See pages 7~9 for explanation of each course.

## 15. START/HOLD BUTTON

- Use to start or pause the operation.

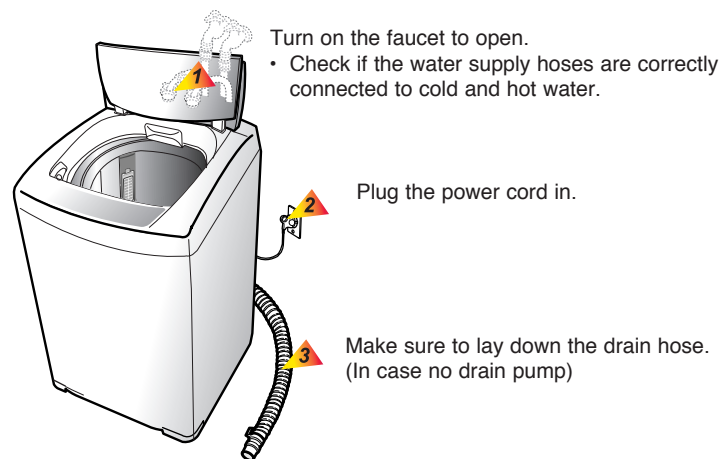
## 16. POWER BUTTON

*(Use to turn on or off the power.)*

- The power turns off automatically when the wash cycle finishes.
- If the power is on for 10 minutes with no function key selected, the power turns off automatically.

# HOW TO WASH AUTOMATICALLY DEPENDS ON THE LAUNDRY?

## BEFORE STARTING WASHING, CHECK THE FOLLOWING



## WANT TO DO AUTOMATIC WASHING?

1. Add the laundry in and press the POWER button.
  - The Digital course is selected.
2. Press the START/HOLD button.
  - The spin plate rotates without water supplied and measures the weight of laundry. Appropriate water level and detergent amount are indicated.
3. Open the lid and add the detergent and softener according to water level, and then close the lid.
  - If the lid is open while running, the washing machine stops automatically for safety. (Except, water supply continues while the lid is open.)
  - When hot water is selected, both cold and hot water are supplied for the first 20 seconds in order to protect the clothes.
  - Possible to control the washing time, the number of rinsing cycles, and spinning time at every course during washing. (Except the spin basket cleaning course)
  - Possible to control water temperature for washing and rinsing manually with the WASH TEMP/RINSE TEMP buttons at every course. (Except Wool course)



## SPECIAL NOTES!

### SUPER RINSE Function

- The SUPER RINSE function cleans remaining bubbles, dirt and lint on the laundry with strong force of water shower when you select it during washing. It gives a prominent rinsing effect.

- During powered shower rinsing, the spin plate rotates and both of water supply and draining proceed at the same.
- When the powered shower rinsing function is selected and you adjust the number of rinsing cycles, the powered shower rinsing function is applied to all the rinsing cycles selected.

### Soak Wash

- Soak wash can be selected when you press the WASH button.
- Soak wash is not selected for Wool course.
- For effective washing, soak wash is applied automatically for Aged Dirt course.
- When soak wash is selected, the washing machine repeats 1-minute washing and 4-minute pausing, and then do the main washing.

### Adding Detergent and Softener

- The washing machine senses the amount of laundry and indicates the water level and amount of detergent. Then, it starts to supply water immediately.
- It is possible to open the detergent box and add detergent during water supply. However it is better to press the Start/Hold button to stop water supply and add detergent. Close the lid and press the Start/Hold button again. This way is much more convenient.

### Automatic Sensing Function

- At every course (except Wool course and spin basket cleaning course), the amount of laundry is automatically sensed and the appropriate water level, washing time, number of rinsing cycles, and spinning time are automatically selected for automatic washing.
- When a course is selected and the Start/Hold button is pressed after the power is turned on, the spin plate starts rotating without water. This action senses how much laundry is in the spin basket and is not a machine problem. After this sensing process, water is supplied automatically.

### HOW TO DO SILENT COURSE?

1. Add the laundry in and press the POWER button.
2. Press the GENERAL COURSE button once to select SILENT COURSE.
3. Press the START/HOLD button.

**SILENT**

GENERAL COURSE

**Add the detergent and softener according to water level, and then close the lid.**

- Possible to apply powered shower rinsing by pressing the SUPER RINSE button during running.

### HOW TO DO HEAVY COURSE?

*(Blue jeans, thick clothes or dirty laundry)*

**HEAVY**

GENERAL COURSE

1. Add the laundry in and press the POWER button.
2. Press the GENERAL COURSE button twice to select

### HEAVY COURSE.

3. Press the START/HOLD button.

**Add the detergent and softener according to water level, and then close the lid.**

- Soaking is automatically applied for easier removal of aged dirt.  
Example) When 5-minute is selected at Aged Dirt course, soaking is applied and then washing proceeds for 5 minutes.
- The spin plate and spin basket rotate in opposite directions to do power washing.
- Possible to apply powered shower rinsing by pressing the SUPER RINSE button during running.
- The spin plate rotates without water to detect laundry amount and appropriate water level and detergent amount are indicated at every course. (Except Wool and Spin basket cleaning courses)
- Possible to control water temperature for washing and rinsing manually with the WASH TEMP/RINSE TEMP buttons at every course. (However, only cold water is possible for Wool course.)



### HOW TO DO SPEEDY COURSE?

*(When you want to wash the frequently used towels or less dirty laundry in a short period of time.)*

1. Add the laundry in and press the POWER button.
2. Press the GENERAL COURSE button three times to select SPEEDY COURSE.
3. Press the START/HOLD button.

**SPEEDY**

GENERAL COURSE

**Add the detergent and softener according to water level, and then close the lid.**

- Because only the spin plate rotates, it conserves energy.
- However, if there are much laundry, the spin basket is also rotated for effective washing.
- Possible to apply powered shower rinsing by pressing the SUPER RINSE button during running.

### HOW TO DO BLANKET COURSE?

*(Big volume laundry like blanket and bed cover sheets)*

1. Add the laundry in and press the POWER button.
  - Fold those big volume laundry (blanket and bed cover sheets) in the following way before adding into the spin basket.
  - Never wash the electric blanket and carpets.
  - Get a laundry net for those light and big volume laundry (eg. cashmeres) because they might rise on the water and get damaged.
2. Press the SPECIAL COURSE button once to select BLANKET COURSE.
3. Press the START/HOLD button.

**BLANKET**

SPECIAL COURSE

**Add the detergent and softener according to water level, and then close the lid.**

- We recommend to add detergent and softener into the Detergent Reserve Box because the blanket may be stained with detergent.
- Possible to apply powered shower rinsing by pressing the SUPER RINSE button during running.



**The blankets with a hand wash tag are washable.**

- **Fabrics** : Acryl blanket: Acryl 100% (Nylon coating)  
Mixed fabric blanket: Cotton + Polyester  
Woolen fabric blanket: Yarn blanket  
Blanket fillings : Polyester100% (Size about less than 200x250cm)
- **Weight** : Blanket : less than 3.5kg, Blanket fillings: about 2kg (total blanket weight is 3.5kg)

## HOW TO DO WOOL COURSE?

*(Washable sweater, cardigan, delicate clothes etc.)*

1. Add the laundry in and press the POWER button.
  - The laundry should be less than 2kg.
2. Press the SPECIAL COURSE button twice to select WOOL COURSE.
  - If the laundry is light compared to its size, choose the proper water level by your judgment.
3. Press the START/HOLD button.
 

**Add the detergent and softener according to water level, and then close the lid.**

  - The last spinning cycle runs very softly in order to avoid severe wrinkles.
  - Only cold water is allowed.
  - Use a neutral detergent.
  - Both of spin plate and spin basket rotate in one direction or only the spin plate rotates softly to prevent damage to the laundry.
  - Possible to apply powered shower rinsing by pressing the SUPER RINSE button during running.

WOOL



## HOW TO DO MEMORY COURSE?

*(Possible to save and reuse frequently used washing options)*

1. Add the laundry in and press the POWER button.
2. Press the SPECIAL COURSE button three times to select MEMORY COURSE.
  - The save washing options are displayed on the control panel.
  - Check if all the options you want are selected.
  - For saving washing options, see the explanation given below.
3. Press the START/HOLD button.
 

**Add the detergent and softener according to water level, and then close the lid.**

  - Possible to apply powered shower rinsing by pressing the SUPER RINSE button during running.
  - \* Saving Washing Options to Memory

MEMORY



- 1) Press the POWER button.
- 2) Press the SPECIAL COURSE button to select Memory course.
- 3) Select frequently used washing options manually. (water temperatures, washing time, number of rinsing cycles, spinning time, etc.)
- 4) Press the START/HOLD button. The selected options are saved automatically.
  - If you select Memory course and press the START/HOLD button after turning on the power, the currently selected washing options will be always saved.

## TO KEEP THE WASHING HYGIENIC?

*(To clean the spin basket)*

1. Press the POWER button.
2. Press the SPECIAL COURSE button four times to select CLEAN TUB COURSE.
3. Press the START/HOLD button.
 

**Add an appropriate amount of detergent and softener according to water level, and then close the lid.**

  - The soaking function is applied.
  - Only hot and cold water temperatures are adjustable. (HOT/COLD TEMP buttons)
  - Recommended detergent: Powder detergent
  - The string force of flowing water cleans the dirt on the wall of the basket.
  - Possible to apply powered shower rinsing by pressing the SUPER RINSE button during running.

CLEAN TUB



## TO FINISH THE WASHING ON A DESIRED TIME

*How to reserve washing?*

*Select this course when you have to go out or do something else.*

1. Add the laundry in and press the POWER button.
  - Check if the faucet is open.
2. Press the DELAY START button.
  - 1) It adds 1 hour in every 3 hours and can be selected up to 18 hours.
  - 2) It stops washing after the selected time.
    - Other course can be selected.
3. Press the START/HOLD button.

DELAY START

*Add detergent and softener in proportion to the water level. Then, close the lid.*

- Possible to apply powered shower rinsing by pressing the SUPER RINSE button during running.
- Must add the detergent in the detergent box.
- If the detergent is spread on the laundry directly, some clothes may get discolored as the start delays.
- If the Delay Start needs to be canceled, press the power button.
- The reserved finish time may be changed depends on the water pressure.

# MANUAL FUNCTIONS

Possible to select the Function for each course.

(Example) For a simple washing as the little dirt course : Power → Select the little dirt course → Wash → Start/Hold

## WASH ONLY

1. Press the POWER button.



2. Press the WASH button.
  - Adjust the washing time with the wash button.
  - Adjust up to 5-20 minutes.
  - Possible to select the soaking washing.



3. Press the START/HOLD button.
  - Close the lid.



### Notes

- After the washing cycle is done, water still remains in the spin basket. If you just want to drain the water, select the Spin only.
- Even though the water level is automatically selected, you can select the water level manually depends on your laundry.
- Adjust by 2 minutes up to 1~15 minutes for the little dirt and wool course.

## RINSE ONLY

1. Press the POWER button.



2. Press the RINSE button.
  - Select the number of rinsing cycles with the rinsing button.
  - Adjust up to 1-5 times.



3. Press the START/HOLD button.
  - Close the lid.



### Notes

- After the rinsing cycle is done, water still remains in the spin basket.
- Even though the water level is selected automatically, you can select the water level manually if the laundry is already wet.

## SPIN ONLY

1. Press the POWER button.



2. Press the SPIN button.
  - Adjust the spinning time with the spin button.
  - Adjust up to 1-7 minutes.



3. Press the START/HOLD button.
  - Close the lid.



### Notes

- If only spinning is selected, the selected spinning time and the remaining washing time are indicated differently. It is not a machine problem since the total remaining time includes the water draining time and stopping time.

## WASH AND RINSE

1. Press the POWER button.



2. Press the WASH and RINSE button.
  - Adjust the washing time and number of rinsing cycles.
  - Also possible to select the soaking washing.



3. Press the START/HOLD button.
  - Close the lid.



### Notes

- After the rinsing cycle is done, water still remains in the spin basket.
- Possible to adjust the number of rinsing cycles up to 1-5 times after running.
- Possible to adjust the washing time.

## RINSE AND SPIN

1. Press the POWER button.



2. Press the RINSE and SPIN button.
  - Adjust the number of rinsing cycles and spinning time.



3. Press the START/HOLD button.
  - Close the lid.

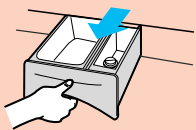
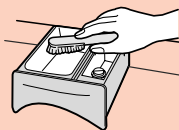
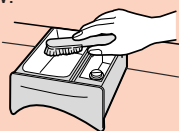
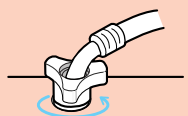
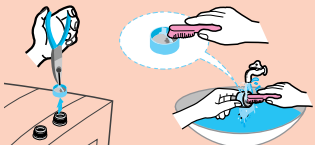
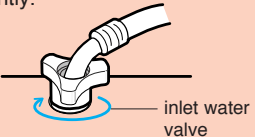

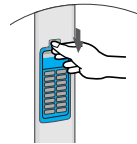
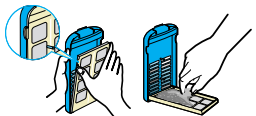


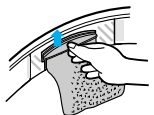


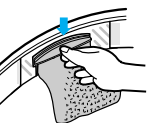


### Notes

- For more clean rinsing, press the RINSE button to adjust the number of rinsing cycles up to 1-5 times.
- Possible to adjust the spinning time.

## HOW TO CLEAN THE FILTER

- Please note that this User's Manual is for common use. Make use of the User's Manual depending upon your washing machine model.
- To have a satisfactory washing result, clean the below parts often.

DETERGENT BOX	WATER SUPPLY CONNECTOR FILTER	POWER MAGIC FILTER	BIG ANTI-BACTERIAL FILTER NET
<ol style="list-style-type: none"> <li>1. Pull the detergent box out in the direction of below figure. </li> <li>2. Brush out the detergent stuck inside the detergent box with a toothbrush. </li> <li>3. Push back in the direction of an arrow. </li> </ol>	<ol style="list-style-type: none"> <li>1. Disassemble the hose. </li> <li>2. Pull out the filter and wash it well. </li> <li>3. Push in the filter and connect the hose to the inlet water valve tightly. </li> <li>4. Check if there is any leakage after tightening the connector. </li> </ol>	<ul style="list-style-type: none"> <li>• Clean the filter twice a week. For a clean wash, the collected lint shouldn't be filled more than half of the filter.</li> </ul> <ol style="list-style-type: none"> <li>1. Push the upper part of the filter and pull out the filter. </li> <li>2. Open the cover as shown in the figure. </li> <li>3. Clean out the collected lint in the filter. </li> <li>4. Close the cover and insert the lower part of the filter in the basket first and then push the filter to a "click" sound. </li> </ol>	<ol style="list-style-type: none"> <li>1. Push up and out the filter net in the direction of the arrow. </li> <li>2. Remove the collected lint from the filter net. </li> <li>3. Clean the filter. </li> <li>4. Push down the filter net in the direction of the arrow. </li> </ol>



### Clean the washing machine body with a dry towel.

- Don't spread water to clean the washing machine.

### Be careful to take out buttons or coins from the washing machine.

- They may cause to block the drain hose and therefore, cause a machine problem.

# INSTALLATION & MAINTENANCE

The User's Manual is for common use.

Make use of the User's Manual depending upon your washing machine model.

## ENVIRONMENT

### Leave some space

Maintain at least 10cm between the washer and the wall.

### Place the washer on a sturdy flat surface.

If the washer is placed on an uneven or weak surface, noise or vibration occurs.  
(Allowable is 1°)

### Adjust the legs for even placement.

### Never install the washer near water.

Do not place the washer in steamy rooms or where the washer is directly exposed to rain. Moisture may destroy the electrical insulation causing an electrical shock hazard.

### Avoid direct sunlight or heaters.

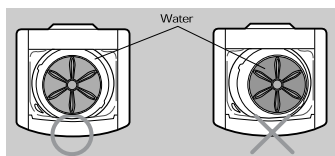
As plastic and electrical components are affected by direct heat, never place the washer near furnaces, boilers, etc. Do not place under direct sunlight.

## LEVELLING

*(If the washer is not leveled with the ground, it makes the machine tremble more or be out of order. So, make sure that the washer is leveled properly.)*

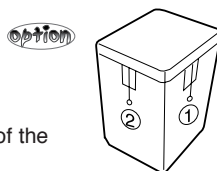
SEE IF THE MACHINE IS PLACED LEVEL BY CHECKING THE POSITION OF THE WASHING TUB.

- Open the lid of the machine, pour water into the tub up to the level just below the pulsator, and adjust the legs so that the pulsator is positioned at the center of the water as shown in the figure.
- Place the machine more than 10cm away from the wall.
- Adjust the legs on feet for levelling.



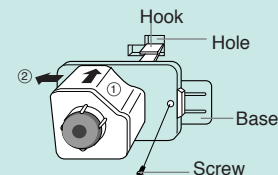
1. Adjust the side horizontally first and the front in same direction ② next.

2. If the thread is not within the limit, adjust the height of the legs.



## HOW TO ASSEMBLE THE LEGS

1. Check the 4 Legs.(Front-right. Front-left. Rear-right. Rear-left)
2. Lay down the Washing Machine to the front.
3. Insert the hook of leg in to the square hole of base.
4. Push the leg to the arrow direction to "Click".
5. Finally fix the legs on the base with screw like a figure.

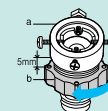


## CONNECTING THE WATER SUPPLY HOSE

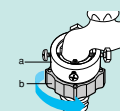
1. Remove the adaptor from the water supply hose.



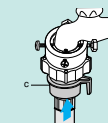
2. First, using a "+" type screw driver, loosen the four screws on the adaptor. Next, take the adaptor and turn the part(b) in the direction of the arrow for about 5mm gap between them.



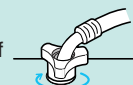
3. Connect the adaptor to the water tap and tighten the screws firmly. Then, turn the part (b) in the direction of the arrow by fastening.



4. After Pulling down the part (c) of the water supply hose, connect the water supply hose to the adaptor. When the part (c) is released, the hose is automatically connected to the adaptor making a 'click' sound.



5. Connect the other end of the water supply hose to the inlet water valve at the back or top of the washer in the direction of the arrow tightly. Check if there is any leakage.

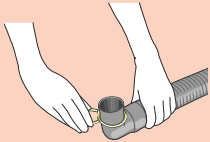


After completing connection, if water leaks from the hose, then repeat the same steps. Use the most conventional type of faucet for water supply. In case the faucet is square or too big, remove the spacing ring before inserting the faucet into the adaptor.

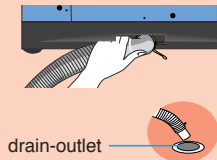


## HOW TO CONNECT THE DRAIN HOSE

1. After pressing the joint ring, insert to the drain hose.

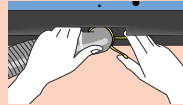


2. After directing the drain hose to a drain, join to the drain-outlet of the washing machine.



3. Be sure to join them tightly by pressing the joint ring and pushing it into the drain-outlet.

• The length of drain hose is adjustable so that you can extend the length appropriately.



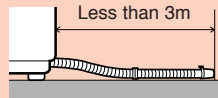
### How to change the drain hose direction

- The handle of joint ring is pressed to pull out the drain hose. Change the direction of the drain hose and follow the above guideline again.

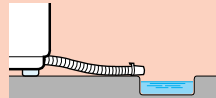


### Cautions when inserting the drain hose

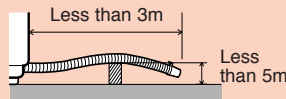
1. Don't exceed more than 3m when the drain hose is used by connecting with other hoses.



2. Be careful to drain water out at the end of the drain hose.



3. The doorsill shouldn't be more than 5cm.

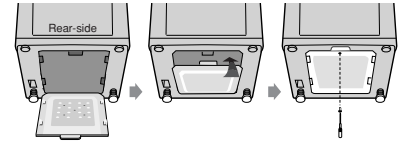


4. Don't install the drain hose underneath the wash machine.

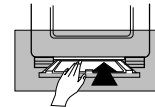


## ASSEMBLING THE RAT PROTECTION PANEL

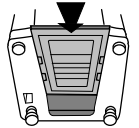
Tilt the washer a little and lift up the panel until it clicks, finally fix the panel with screw to the base as shown in the figure.



1. Insert the sound absorbing panel to the assembling hole on front side to the end.



2. If you have difficulty inserting the panel lift up the washer a little and insert it.



## TROUBLESHOOTING

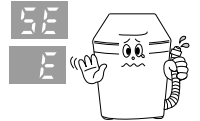
### Washing machine won't work

- Is the water tap opened?
- Is the washer plugged in?
- Is the power cut off?
- Is there enough water?



### Water dose not drain

- Is the drain hose down?(No pump)
- Is the drain hose frozen?
- Is the drain hose clogged?

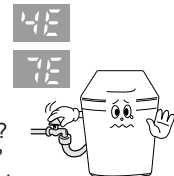


If the water dose not drain in 15 minutes, a buzzer will sound, and the remaining time indicator will show "5E" and "E".

### Water is not supplied

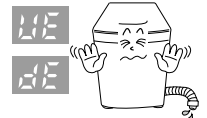
- Is the water tap opened?
- Is the water cut off?
- Is the water supply hose or hose connection clogged?
- Is the water tap frozen?

If water is not supplied in 1 hour, a buzzer will sound, and the remaining time indicator will show "7E" and "4E".



### Spinning does not work

- Is the laundry spread out evenly in the washer?
- Is the washer set on a sturdy flat surface?



### Too high or low power voltage (The buzzer sounds too.)

- Is the power voltage is correct?



### Too much wash load

- Is the amount of detergent proper?
- Is the end of the drain hose properly located into the drain-outlet?
- Is the laundry spread out evenly in the water?



## WASHING MACHINE WON'T WORK?

The power is cut off.

- Check 1> Is the electric voltage normal?  
→ This product is for 220V only.
- Check 2> Is the washer plugged in? Plug in the electric cord.  
→ Water does not drain.
- Check 1> Is the drain hose down? Put the drain hose down.
- Check 2> Is the drain hose folded? Unfold the drain hose.
- Check 3> Is the drain hose outlet clogged? Remove the waste cleanly.

Washing machine won't work.

- Check 1> Is the washer lid open?  
→ Close the lid.
- Check 2> Is the Hold button on?  
→ Press the Start/Hold button one more time and check if the washer starts.
- Check 3> Is enough water filled to the water level?  
→ If the water pressure is low, it takes a long time to start washing.
- Check 4> Is the faucet closed?  
→ Open the faucet to supply water.

If the drain hose and spin basket are frozen, do as follows.

- Add hot water to the frozen water tap and remove the drain hose. Soak into hot water.
- Pour hot water into the spin basket for about 10 minutes.
- Put a hot water towel on the drain hose connector.
- If the drain hose defrosts, connect again and check for proper water draining.

The water drains out immediately.

- The drain is clogged with coins or pins. The drain hose is hung over the drain hose hook. Half fill the spin basket with water and try for spinning again.

The water leaks at the water supply hose connector.

- Check 1> If the faucet connecting part is loose, water may leak.  
→ Repeat the assembling steps again.  
(Refer to "Connecting the water supply hose" )
- Check 2> Check if the rubber packing of water supply hose is in the right position.  
→ Screw tightly again.
- Check 3> Is the water supply hose folded? Unfold the hose.
- Check 4> If the water supply is too strong, water may leak.  
→ Close the faucet a little.
- Check 5> Is water leaking from the faucet itself? Fix the faucet.  
  
→ Water is not supplied.
- Check 1> Did you press the Start/Hold button after selecting the water supply?  
→ If the Start/Hold button is not pressed, water is not supplied.  
Press the Start/Hold button.
- Check 2> Is the faucet closed?  
→ Turn on the faucet.
- Check 3> Is the filter net at the water supply hose connector clogged with dirty matters?  
→ Clean the filter net by brushing with a toothbrush.
- Check 4> Is the water supply cut off?  
→ If the water supply is suspended, turn off the faucet and power off.

Spinning makes loud noises and vibrations.

- Check 1> Check if the laundry is spread evenly in the washer.  
→ Spread out the laundry evenly and start again.
- Check 2> Check if the washing machine levels on a sturdy flat floor.  
→ Set the machine at level.
- Check 3> Is the handle for leveling legs loose?  
→ Adjust the legs on the feet for leveling.
- Check 4> Is around the washing machine filled with unnecessary stuffs?  
→ Remove those unnecessary things away from the wash machine.